

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000173**Date Inspected:** 23-Nov-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 630**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

Quality Control Contact:	ZPMC-Li Xiu Yang and Xu Jun	Quality Control Present:	Yes	No
Material transfer:	Yes No N/A	Sampled Items:	Yes No	N/A
Stock Transfer:	Yes No N/A	OK to Cut:	Yes No	N/A
Rebar Test Witness:	Yes No N/A	Delayed/Cancelled:	Yes No	N/A
Other:	Indoctrination to MACTEC inspections and job-site protocol - Bay 2 and Bay 3 Orientation			
Bridge No:	34-0006	Component:	Bay 1, Bay 2, Bay 3 and Bay 7	
Bid Item:	52	Lot No:	N/A	

Summary of Items Observed:

On this date, the Caltrans Quality Assurance (QA) representative, John P. Tracy, conducted assessments while on site at Zhenhua Port Machinery Company (ZPMC) for Caltrans Project 04-0120F4-SAS. The following is the detailed review of the following observations:

The Caltrans representative was tasked with accompanying Caltrans representative, Mr. Alfredo Acuna, on an intensive acclimation process surrounding MACTEC protocol, paperwork and the four mock-up bays with their intrinsic characteristics and essential needs.

Bay 2: Mr. Acuna and the Caltrans representative spent a couple of hours, in the afternoon, within the tower mock-up (bay 2). 114m mock-up Plate B, Plate A and Plate E were being fabricated. The longitudinal stiffeners were being attached to the skin plates. Mr. Acuna checked material, welding parameters and electrode. All variables observed appear to be in accordance with the criteria set forth within the contractual documents.

Bay 3: Mr. Acuna and the Caltrans representative observed dimensional verification on plate layout. Mr. Acuna was specific about how the stiffeners need to be plotted on the plate, taking in account for welding shrinkage, and cut variances.

Consumable electrode storage area was observed today by Mr. Acuna and The Caltrans representative. The storage oven temperatures in this room, while above the minimum, were only above the minimum temperature of 120 degrees centigrade by 2 degrees. The consumable electrode issuance log was completely written in Chinese characters. Had it not been for the initials "FCM" written at the top of one log book there would have been no way

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to distinguish this log from any other ZPMC log. Further action on this issue will be pending.

Included below are digital pictures that support the observations recorded within this report.



Summary of Conversations:

No significant conversation took place with the Caltrans representative on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or

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remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

Inspected By:	Tracy,John	Quality Assurance Inspector
Reviewed By:	Cuellar,Robert	QA Reviewer
